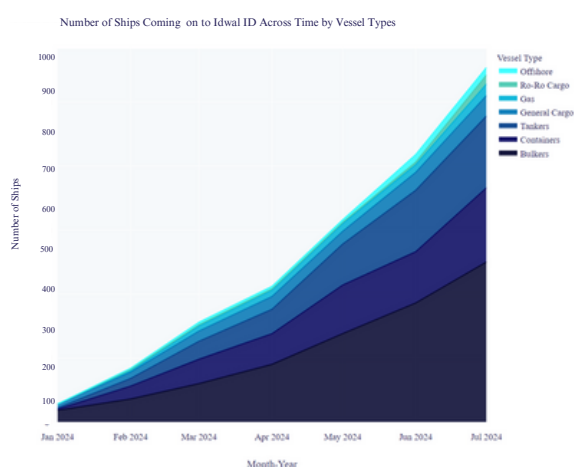
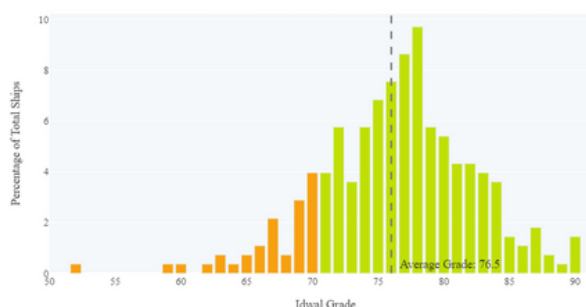


## A quarterly report delivering insights from the Idwal ID platform

As a tech and data inspection company, our inspection insights, plus our newly launched condition improvement platform, provide visibility on the integrity of vessels and the performance of multiple industry stakeholders.



Of the 1000+ vessels we have within the platform, the majority vessel type we have currently is bulk carriers with containers and tankers closely behind. We do inspect a wide range of vessels and you can see the others in the key top right.



The average Idwal Grade across all vessels is 76.5. However, the lowest graded vessel is just 52 with the highest at 90.



## What is the Idwal Grade and why should it be important to you?

The Idwal Grade is comprised from a complex set of algorithms calculated from over 500 individual data points relating to the vessel. It is applied to **all 3,000+ vessels that we inspect every year** and has become a pivotal asset in the maritime industry, with many ship owners, ship managers, financiers and charterers relying on it for an objective and consistent view of a vessel or fleet's integrity.

The Idwal Grade isn't just a surface-level assessment; it delves into all crucial areas of a vessel. Each of these areas is meticulously examined, considering both structural integrity and cosmetic condition, as well as the operational status of equipment and machinery. Beyond the physical, the Idwal Grade also represents areas covering management and performance.

## TOP 3 PROBLEMS

affecting vessel condition

- 1 PSC performance
- 2 Ballast tank and systems
- 3 Weather decks and fitting



Idwal ID is a comprehensive condition improvement programme, delivering defect management, fleet analytics and benchmarking.

Quick and easy search of a large database of reports. This is live and online and instantly pulls up the results that you need.

One-stop shop for inspection data, documents, reports and photos - all directly accessed through the Idwal ID platform.

Benchmark your vessels against Idwal's entire dataset. That's over 12,000 vessels worldwide

Comprehensive defect management system, share and rectify with technical managers, crew, or any other third party.

Instantly book inspections with an experienced Idwal ID Surveyor

Manage your inspection scheduling & take a preplanned, concierge approach

Easily manipulate your dashboard with personalisation - only see the data you need to see

Extreme customisation - filter the data to spot trends, insights, and more

## TOP 5 ACTIONS

on the Idwal ID platform

**1** Going to Defects page

Viewing defects and being able to manage them is the most widely used action on the platform

**2** Adding a user to Defects Share list

This action enables you to easily share a defect amongst relevant colleagues to action rectification

**3** Selecting /de-selecting vessel names

This action is used to look at specific vessels within your fleet and dive deeper into granular details

**4** Looking at Idwal Grade of vessel or fleet

Viewing the Idwal Grade enables you to benchmark your vessel within your own fleet or the global fleet

**5** Looking at the subgrades for vessel or fleet

The subgrades are the assessments for individual vessel areas that make up the full Idwal Grade. This action enables you to view the details here



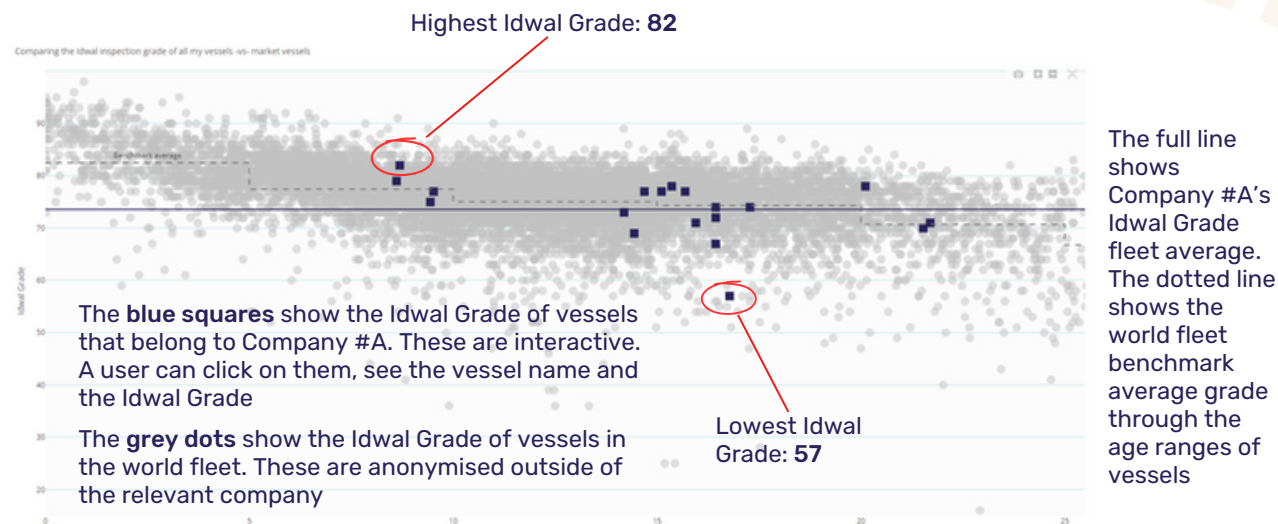
What do these actions tell us about how leading companies are managing their fleet condition?

**See user case on next page for more insight**

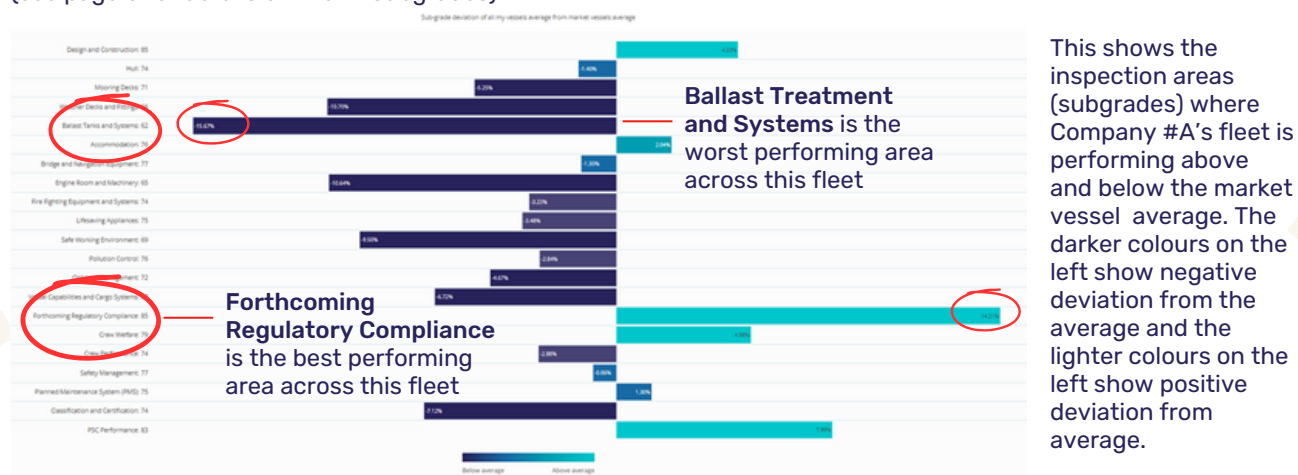


# COMPANY #A USER CASE

20 vessels on the Idwal ID platform  
with multiple technical managers



Company #A looks at the subgrade information to get more understanding of what's behind the overall Idwal Grade and to see if there are any systemic issues (see page 6 for details on the 21 subgrades)



See the difference between highest and lowest:

Highest performing vessel: Idwal Grade 82



Lowest performing vessel: Idwal Grade 57



# COMPANY #A USER CASE

20 vessels on the Idwal ID platform  
with multiple technical managers

Total defects	Priority			Status			
	High	Med	Low	Closed	Rectified	In progress	Open
53	14	23	16	0	0	0	53

Company #A has the highest number of open defects on the Idwal ID platform with **53 defects** across the fleet. Defects can be graded by severity, so, for Company #A, you can see there are 14 high-priority defects needing attention



With all defect data unified in Idwal ID, you can easily find trends and common issues across multiple vessels. This “big-picture” visibility allows you to strategically plan preventative maintenance campaigns, visualise tech manager performance and address systemic problems.

Photos, descriptions, locations, and other key details are neatly organised for each defect

Vessel Capabilities and Cargo Systems	There was heavy local corrosion and wastage on the cargo hold tank-top... <a href="#">Read more</a>	10/08/2024		Suspect areas need to be closely monitored and it is foreseeable that some... <a href="#">Read more</a>	\$50000+
Ballast Tanks and Systems	Last year the vessel had a leakage from the transverse bulkhead plating... <a href="#">Read more</a>	10/08/2024		The main affected tanks are WG1AP, WG1BS, WG2AP, WG2AS and WG2BS. The... <a href="#">Read more</a>	\$20000 - \$50000
Ballast Tanks and Systems	The vessel had a Condition of Class as corroded plating with holes was... <a href="#">Read more</a>	10/08/2024		For information.	\$20000 - \$50000
Weather Decks and Fittings	The provision crane has a serious oil leakage from the luffing cylinder and... <a href="#">Read more</a>	10/08/2024		Repairs and maintenance would be required to return the provision crane to... <a href="#">Read more</a>	\$5000 - \$20000
Vessel Capabilities and Cargo Systems	Intermediate platform plating in the cargo holds was with heavy corrosion... <a href="#">Read more</a>	10/08/2024		A maintenance plan is to be initiated to maintain areas with material... <a href="#">Read more</a>	\$5000 - \$20000

Each defect can be clicked into individually or as a group, with more granular detail and, from there, action can be taken to start the process of closing out the defects.

Photos, descriptions, locations, and other key details are neatly organised for each defect.

Company #A will now assign the defects directly to relevant teams or individuals for resolution. once it has been addressed, it will be closed out by the Company #A colleague uploading remediation photos and notes directly into the platform.

Add rectification information

Action taken

Resolution Date

Estimated cost \$20000 - \$50000

Actual cost \$

Cost area -- Please select --

Defect status OPEN

Images / documents

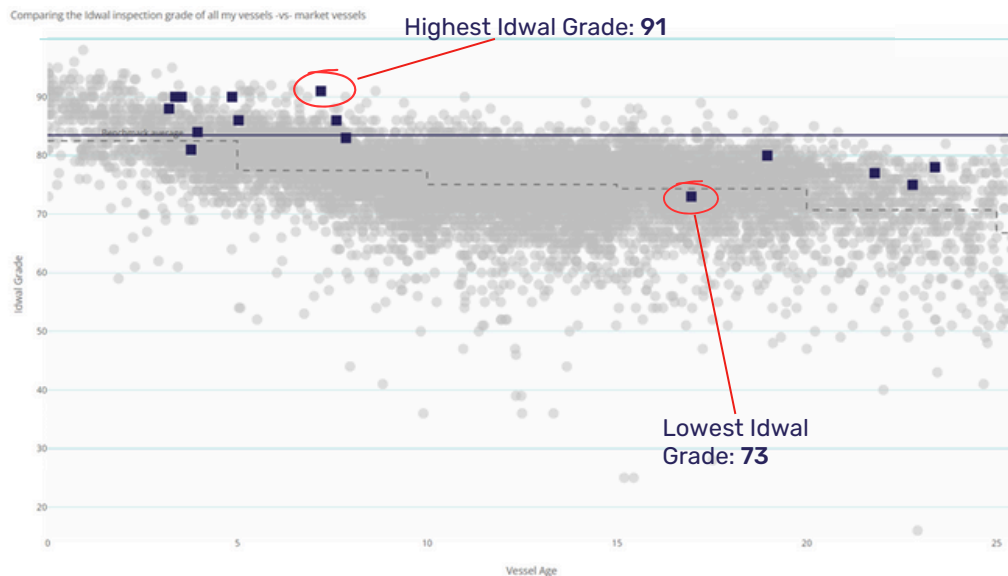


All evidence is automatically compiled, providing a comprehensive audit trail for each defect from identification to resolution.



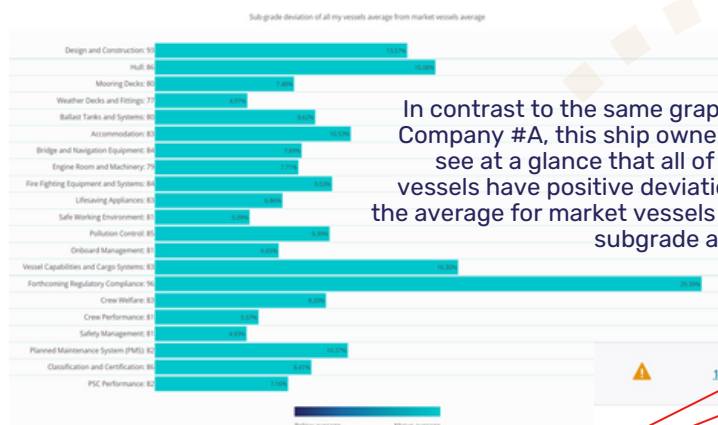
# COMPANY #B USER CASE

17 vessels on the Idwal ID platform  
with multiple technical managers



The full line shows Company #B's Idwal Grade fleet average. The dotted line shows the world fleet benchmark average grade through the age ranges of vessels

Company #B looks at the subgrade information to get more understanding of what's behind the overall Idwal Grade and to see if there are any systemic issues (see page 6 for details on the 21 subgrades)



In contrast to the same graph for Company #A, this ship owner can see at a glance that all of their vessels have positive deviation to the average for market vessels in all subgrade areas.

Total defects	High	Med	Low	Closed	Rectified	In progress	Open
13	1	12	0	0	0	0	13
11	1	10	0	0	0	0	11
21	1	20	0	0	0	0	21
10	1	0	0	0	0	0	10
13	2	11	0	11	0	0	0
17	1	16	0	9	0	8	0
23	0	20	0	17	0	6	0

In contrast to Company #A's defect management snapshot, Company #B is managing its fleet's defects and the progress, leading to subsequent defect closure, can be seen across the platform.

159-621-122	CLOSED	Fire Fighting Equipment and Systems	A fractured hinge and corroded side cover for fire hose box were seen.
159-617-043	CLOSED	Lifesaving Appliances	The vessel has a Condition of Authority, related to Lifesaving Appliances... <a href="#">Read more</a>
159-580-164	CLOSED	Accommodation	Provisions equipment was seen with excess frosting to pipework.
159-514-635	CLOSED	Ballast Tanks and Systems	Established corrosion was found on the bottom floor of ballast pump room.



Idwal ID empowers users to make informed decisions, optimise operations, and stay competitive in an ever-evolving industry. Whether you're focused on technical operations or commercial strategy, key features are designed for you.

## What's covered in the Idwal subgrades?

The Idwal Grade isn't just a surface-level assessment, it delves into all crucial areas of a vessel, assessed during an inspection and covering all areas shown on the right. Each of these areas is meticulously examined, considering both structural integrity and cosmetic condition, as well as the operational status of equipment and machinery. These subgrades enable Idwal ID users to look at their Idwal Grade and their defects in more detail and understand trends across the fleet in a more strategic way.

### 1. Vessel Condition

- 1.1 Design and Construction
- 1.2 Hull
- 1.3 Mooring Decks
- 1.4 Weather Decks and Fittings
- 1.5 Ballast Tanks and Systems
- 1.6 Accommodation
- 1.7 Bridge and Navigation Equipment
- 1.8 Engine Room and Machinery
- 1.9 Fire Fighting Equipment and Systems
- 1.10 Lifesaving Appliances
- 1.11 Safe Working Environment
- 1.12 Pollution Control
- 1.13 Onboard Management
- 1.14 Vessel Capabilities and Cargo Systems

### 2. Vessel Management

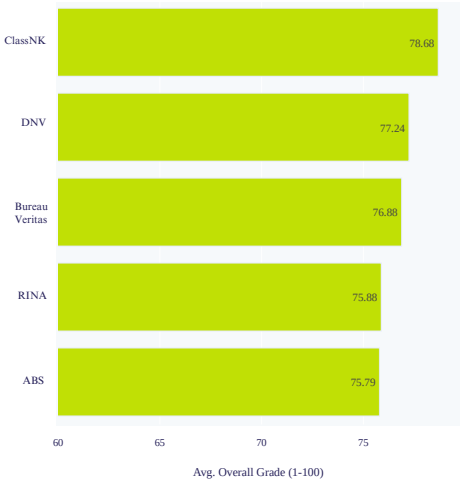
- 2.1 Forthcoming Regulatory Compliance
- 2.2 Crew Welfare
- 2.3 Crew Performance
- 2.4 Safety Management
- 2.5 Planned Maintenance System (PMS)
- 2.6 Classification and Certification
- 2.7 PSC Performance



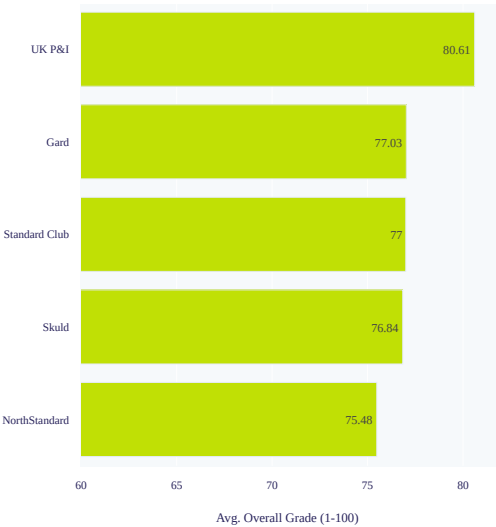
# Stakeholder stats

Thanks to our robust and standardised methodology in collecting inspection data, we can review the Idwal Grade against multiple criteria so we that we can dive deeper into various contributing factors. Here we look at the various stakeholders involved with each vessel on the platform and, from that, we can see the range of performance from them. Obviously, we have the lowest performing too but, here we take a look at the top performers...

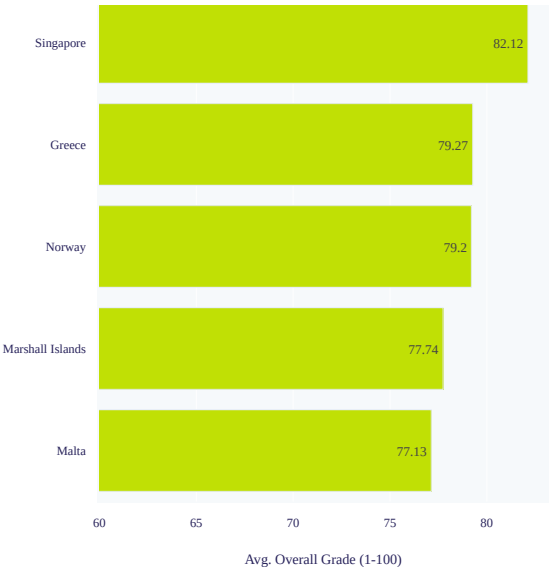
## TOP 5 CLASS SOCIETIES of ten biggest



## TOP 5 P&I CLUBS of ten biggest



## TOP 5 FLAGS of ten biggest



## About Idwal

IDWAL is the ship inspection, technology and data business. We are the global leader in independent sale and purchase inspections and the industry's trusted partner for fleet condition monitoring.

Our 500-point inspection reports provide transparent and actionable insights into a vessel's maintenance, quality and ESG compliance, contextualised by the Idwal Grade®, the industry standard for measuring asset integrity.

Idwal's data-driven methodology ensures that inspection reports are consistent, intuitive to read, accurate and free from bias. Trusted as the industry standard, they inspect almost half of all vessels sold each year.

Founded in 2010, Idwal is based in Cardiff, UK, with offices in Singapore, Shanghai, Tokyo and Athens, and with an extensive surveyor network around the globe.

Inspection insight. Data advantage.



# >15%

More than 15% of the global fleet physically inspected since 2019



# >100

More than 100 countries where an inspection has taken place



# >10m

More than 10m data points, inspection photos & documents

## Condition improvement

Idwal ID is a pivotal asset for commercial and technical directors, and for financial stakeholders. It offers robust validation and benchmarking, essential for asset evaluation and decision-making. The platform's flexibility caters to various user needs, from high-level overviews to detailed defect analyses.

Idwal ID offers a comprehensive solution for commercial and technical directors seeking to optimise their fleet condition management. By combining rigorous inspections, advanced analytics, and a deep understanding of industry needs, we provide the tools and insights necessary to drive excellence across your fleet.

### Ready to unlock the power of data-driven fleet management?

Contact us today to discuss how we can create a customised condition improvement program for your fleet.

**[enquiries@idwalmarine.com](mailto:enquiries@idwalmarine.com)**





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